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# RSC Applied Interfaces

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**Cover**
See Liyong Ding, Juncheng Hu *et al.*, pp. 222–232.
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## COMMUNICATION

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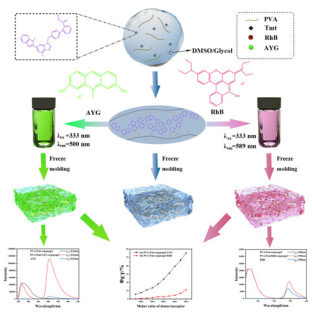
**A multifunctional organogel for constructing artificial light harvesting systems with excellent energy transfer efficiency**

Xinxian Ma,* Jiahong Tang, Tianqi Ren, Jiali Zhang, Yuehua Liang, Jiuzhi Wei and Enke Feng



## PAPERS

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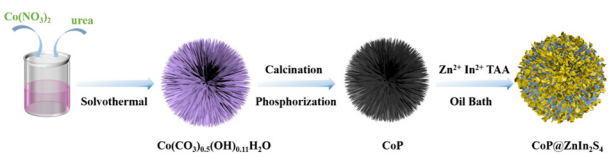
**Construction of a hierarchical CoP@$ZnIn_2S_4$ heterojunction for photocatalytic hydrogen evolution**

Yuqin Liu, Liyong Ding,* Qian Xu, Yu Ma and Juncheng Hu*



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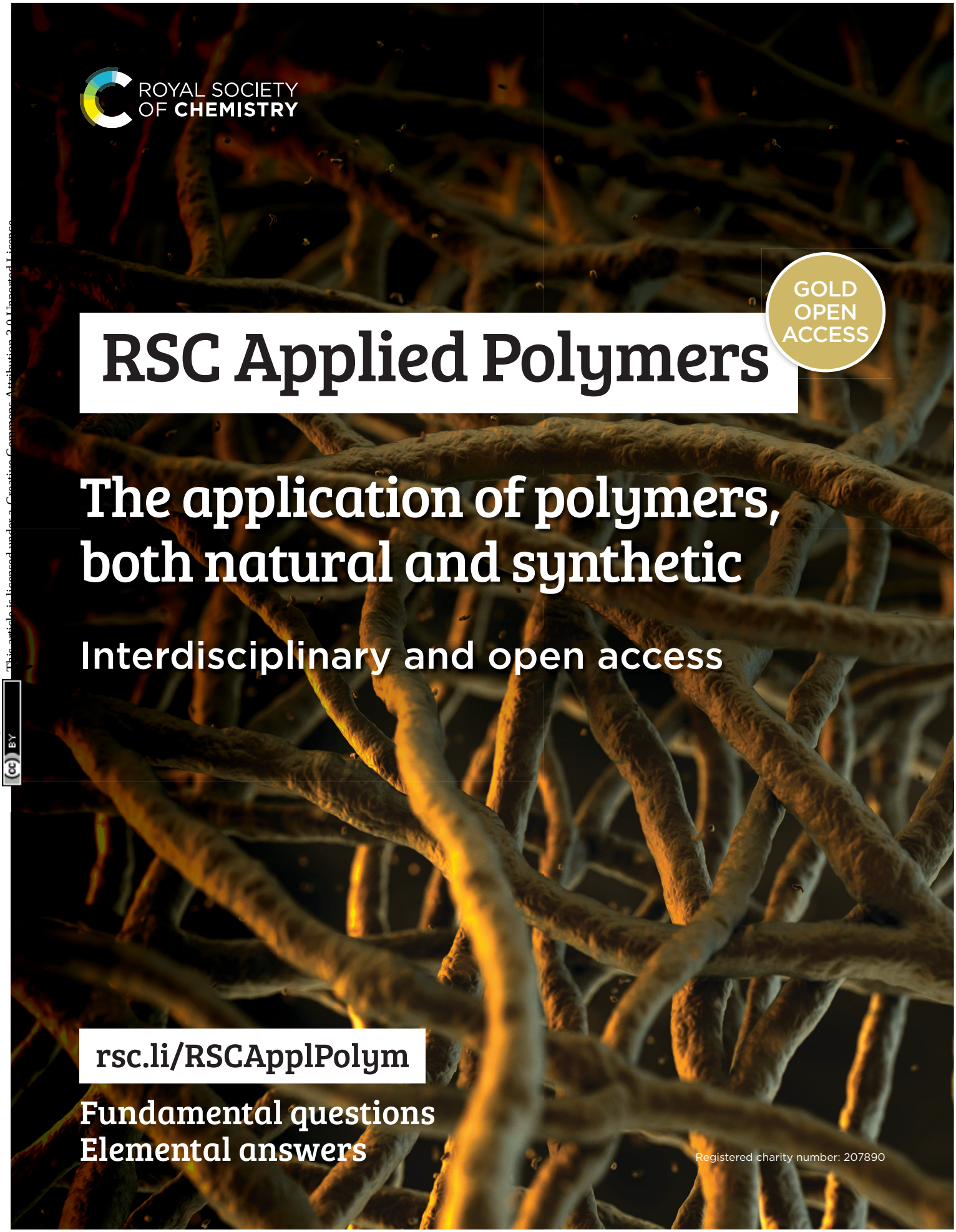

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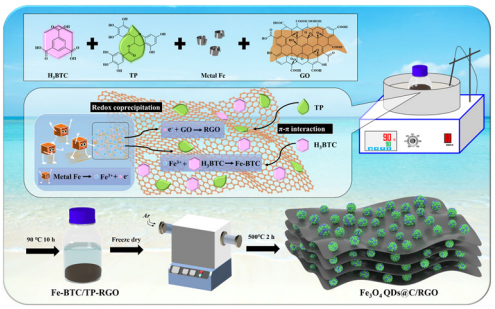
**Synthesis of a MOF-derived magnetite quantum dots on surface modulated reduced graphene oxide composite for high-rate lithium-ion storage**

Ruixin Jia, Longbiao Yu, Zhenqi Han, Shuo Liu, Panpan Shang, Siqi Deng, Xuehua Liu and Binghui Xu*

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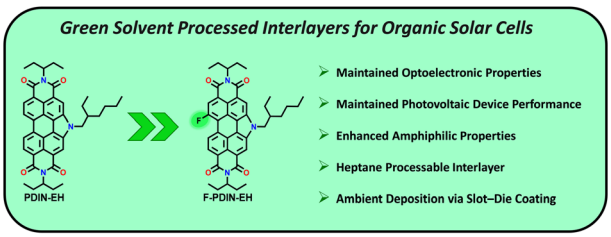
**A fluorinated perylene diimide for polar and non-polar green solvent processed organic photovoltaic cathode interlayers**

Colton Atkinson, Muhammad Rizwan Niazi and Gregory C. Welch*

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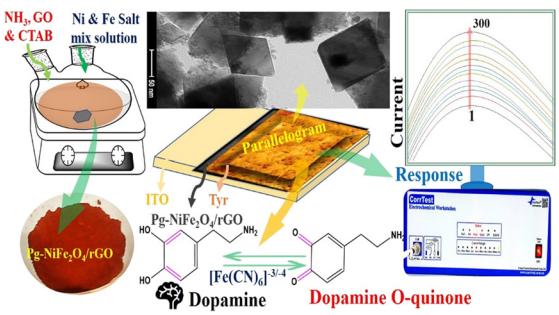
**Nanoengineered parallelogram-$NiFe_2O_4$/rGO nanocomposite-based biosensing interface for highly efficient electrochemical detection of neurodegenerative disorders *via* dopamine monitoring**

Rahul Verma, Kshitij RB Singh, Ranjana Verma and Jay Singh*

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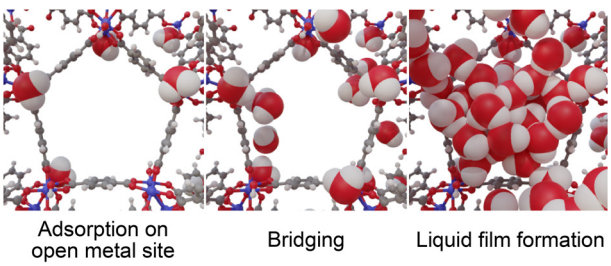
Shotaro Hiraide,* Yu Katayama, Akira Endo, Ryotaro Matsuda, Minoru T. Miyahara and Satoshi Watanabe*



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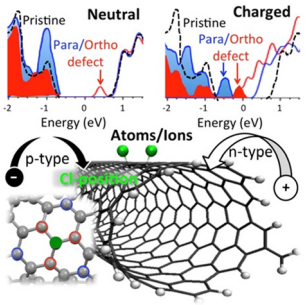


**Optically active defects in carbon nanotubes *via* chlorination: computational insights**

Braden M. Weight, Brendan J. Gifford, Grace Tiffany, Elva Henderson, Deyan Mihaylov, Dmitri Kilin and Svetlana Kilina*

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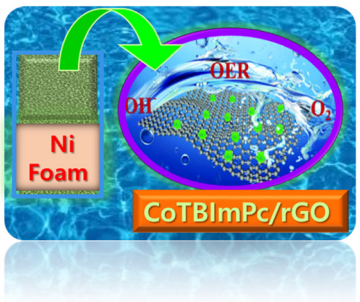


**Cobalt–benzimidazole swapped metal–organic macrocycle with reduced graphene oxide as a hybrid electrocatalyst for highly efficient oxygen evolution reaction**

C. P. Keshavananda Prabhu,* Kenkera Rayappa Naveen and Jaehyun Hur*

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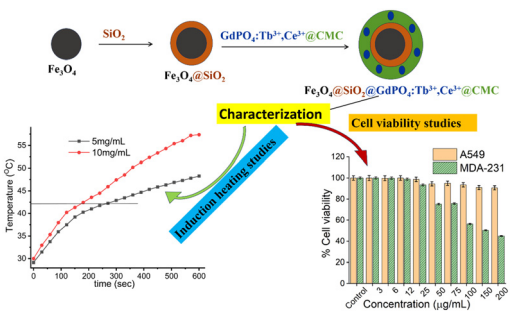


**Carboxymethylcellulose modified $Fe_3O_4$@$SiO_2$@$GdPO_4$:$Tb^{3+}$,$Ce^{3+}$ nanocomposites for combined optical and magnetic fluid hyperthermia in cancer therapy**

Dhanapriya Devi Yengkhom, Goutam Singh Ningombam, Rameshwari Heisnam, Nanaocha Sharma, Rajmuhon Singh Nongmaithem and Francis A. S. Chipem*

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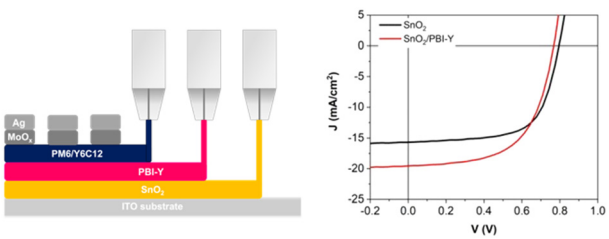


**All slot-die coated organic solar cells using an amine processed cathode interlayer based upon an amino acid functionalised perylene bisimide**

Rebecca E. Ginesi, Muhammad R. Niazi, Gregory C. Welch* and Emily R. Draper*



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